CSP ELECTRONICS LLC BASIC LIST

Input type	Display	Check List
Temp Sensor	Temp in Degrees F	
Pressure Sensor	Pressure in PSI	
Speed Sensor	Speed in RPM	
Pressure switch	Normal/High	
Level switch	Hi/lo	
Temp switch	Hi/lo	
Temp Sensor	Temp in Degrees F	
Pressure Sensor	Pressure in PSI	
Analog voltage input	Volts	
Temp Sensor	Temp in Degrees F	
Temp Sensor	Temp in Degrees F	
Temp Sensor	Temp in Degrees F	
Temp Sensor	Temp in Degrees F	
Pressure Sensor	Pressure in PSI	
Speed Sensor	Speed in RPM	
Analog voltage input	Volts DC	
	% Torque	
Based on fueling	Full fueling Hours	
Pressure Sensor	Pressure in PSI	
Pressure sensor	Press in inches H2O	
Thermocouple	Temp in Degrees F	
Calculated		
Future	Press in inches H20	
Delta P Calculated	Pressure in PSI	
Delta P Calculated	Pressure in PSI	
Pressure Switch	High/Normal	
Pressure sensor	Pressure in PSI	
Dual speed sensors	Gear ratio	
Potentiometer	% Throttle/direction	
J1587 data link	Various parameters	
J1939 data link		
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ble:		Check List
alarms		
data transmission		
	Temp Sensor Pressure Sensor Speed Sensor Pressure switch Level switch Temp switch Temp Sensor Pressure Sensor Analog voltage input Temp Sensor Temp Sensor Temp Sensor Temp Sensor Temp Sensor Sensor Pressure Sensor Pressure Sensor Pressure Sensor Speed Sensor Analog voltage input Normalized to prop Based on fueling Pressure Sensor Pressure Sensor Pressure Sensor Thermocouple Thermocouple Thermocouple Calculated Future Delta P Calculated Pressure Sensor Dual speed sensors Potentiometer J1587 data link	Temp Sensor Pressure in PSI Speed Sensor Speed in RPM Pressure switch Hi/lo Temp switch Hi/lo Temp Sensor Pressure in PSI Analog voltage input Volts Temp Sensor Temp in Degrees F Pressure Sensor Pressure in PSI Speed Sensor Speed in RPM Analog voltage input Volts DC Normalized to prop % Torque Based on fueling Full fueling Hours Pressure Sensor Press in inches H2O Thermocouple Temp in Degrees F Thermocouple Temp in Degrees F Calculated Temp deviation in F Future Press in inches H2O Delta P Calculated Pressure in PSI Delta P Calculated Pressure in PSI Pressure Sensor Pressure in PSI Delta P Calculated Pressure in PSI Dual speed sensors Gear ratio Potentiometer % Throttle/direction J1587 data link Various parameters J1939 data link Various parameters

CSP ELECTRONICS LLC

Power train protection features:	Check List
ow gear oil pressure derate	
High gear oil temperature derate	
Gearbox axial loading (consult with CSP for complete information)	
Gearbox lube pump system (for slip clutch and DP applications)	
High IMT derate/shutdown (Indicate D or S for derate or shutdown*)	
High torque value derate	
High Crankcase pressure derate/shutdown	
Low engine oil pressure derate/shutdown	
High engine coolant temperature derate/shutdown	
Existing control system input (voltage, 4-20 mA, frequency, etc)	
Control Features:	Check List
Single lever Engine throttle and gear shift	
Single lever Engine throttle and gear shift with shaft speed control(slip)	
Engine only mode from lever (no gear engagement)	
Engine only mode from knob (no gear, limited top engine speed)	
Fire pump mode from lever (no gear, limited top engine speed)	
Sync (All engines controlled from one lever)	
Automatic overload throttle back (Continuously adjusted by computer)	
DP interface	
Joystick interface	
Engine room emergency station control	
Single station	
Multiple stations (write number or stations in check box)	
Engine/Gear voltage supply (12 or 24 volts DC)	
Electrical or Mechanical fuel shut down	
Additional Features Available:	Check List
Control, Protection, Monitors, Alarms and Data collection for;	
Dil Pumps, Fuel Pumps, Turbos, Water Strainers and more!	
NOTE: Some features only available with CSP engine/gear controls	
NOTE Some realities only available with USE endine/dear controls	i